Name: _____

Date: _____

Bone Remodeling and Osteoporosis Questions

Question 1.

Name and define the six functions of bone in the human body.

Question 2.

What are some key differences between cortical and cancellous (trabecular) bone?

Activity 1: **Using Jenga blocks, create a model of cortical bone and cancellous bone.**

Question 3.

Why did you model your bone structures the way you did?

Activity 2-1: **Using the Jenga blocks, create models of normal cortical bone and athletic cortical bone.**

Question 4.

Athletic bone has _____ (increased/decreased) cortical bone due to weight bearing. (circle one)

Activity 2-2: **Using the Jenga blocks, create models of normal trabecular bone and osteoporotic trabecular bone.**

Question 5.

A person with osteoporosis has _____ (higher/lower) bone density than a person with healthy bone. (circle one)

Activity 3: **Use the Jenga blocks to model osteoblast and osteoclast activity.**

Question 6.

Define osteoblasts and osteoclasts.